

We Claim:

1. A door bearing for a door having a door frame and defining a door bore, the door bearing comprising:

a bearing journal to be introduced into the door bore, said bearing journal having a base portion;

a supporting arm to be fastened to the door frame, said supporting arm defining a bore accommodating said base portion in a form-fitting manner; and

said base portion and said supporting arm having latching elements interlocking said bearing journal on said supporting arm.

2. The door bearing according to claim 1, further comprising:

a flexible clip having a movable leg moving away from said base portion when said base portion is pushed into said bore of said supporting arm;

said supporting arm having an edge, said movable leg having a nose engaging said edge when said base portion is pushed into said bore of said supporting arm; and

said latching elements being formed by said edge and a flexible clip.

3. The door bearing according to claim 2, wherein said nose is configured to be released from said edge by a tool introduced between said leg and said supporting arm.

4. The door bearing according to claim 1, wherein:

said bore has an axis and at least one cutout;

said base portion has at least one leg bent elastically in a direction of said axis of said bore when said base portion is pushed into said bore, said at least one leg having a nose engaging in said cutout when said base portion is pushed into said bore; and

said latching elements include said at least one cutout and said at least one leg.

5. The door bearing according to claim 4, wherein:

said bore has a circumference;

said cutout only extends over part of said circumference; and

said base portion rotates in said bore to displace said nose out of said cutout.

6. The door bearing according to claim 5, wherein said base portion has:

an end directed away from said bearing journal; and

a depression for accommodating a turning tool in a form-fitting manner at said end.

7. The door bearing according to claim 1, wherein said bearing journal and said base portion are formed in one piece from a plastic material.

8. The door bearing according to claim 1, wherein said bearing journal has a metallic pin and a plastic base portion fixed together.

9. The door bearing according to claim 1, wherein said base portion is plastic and said bearing journal has a metallic pin fixed to said plastic base portion.

10. The door bearing according to claim 1, wherein said supporting arm is of a plastic material.

11. The door bearing according to claim 1, further comprising a roller bearing disposed around said bearing journal for supporting the door.

12. The door bearing according to claim 11, wherein:

the door bearing is a bottom door bearing; and

said roller bearing is an axial bearing.

13. The door bearing according to claim 12, wherein said axial bearing is a barrel-shaped roller bearing.

14. The door bearing according to claim 11, wherein said roller bearing has:

rings with ramp-shaped ring portions; and

roller bodies running on said rings, each of said roller bodies being associated with one of said ramp-shaped ring portions.

15. The door bearing according to claim 11, wherein said roller bearing has:

at least one ring with at least one depression; and

roller bodies running on said at least one ring, said at least one ring having at least one depression for each of said roller bodies.

16. The door bearing according to claim 14, further comprising means for limiting rotary movement freedom of said roller bodies limiting rotary movement of said roller bodies to have at most one of said roller bodies reach a given point of said rings.

17. The door bearing according to claim 15, further comprising means for limiting rotary movement freedom of said roller bodies limiting rotary movement of said roller bodies to have at most one of said roller bodies reach a given point of said rings.

18. The door bearing according to claim 14, further comprising a limiting device limiting rotary movement of said roller bodies to have at most one of said roller bodies reach a given point of said rings.

19. The door bearing according to claim 15, further comprising a limiting device limiting rotary movement of said roller bodies to have at most one of said roller bodies reach a given point of said rings.

20. The door bearing according to claim 11, wherein:

the door bearing is a top door bearing; and

said roller bearing is a radial bearing.

21. The door bearing according to claim 20, wherein said radial bearing is a needle bearing.

22. The door bearing according to claim 1, further comprising:

a spring;

a counterpart; and

a closing body moved under loading by said spring, said closing body being brought into engagement with or disengaged from said counterpart by rotation of the door, said closing body and said counterpart fixing the door in position when said closing body and said counterpart are engaged and permitting the door to be fully rotatable when said closing body and said counterpart are disengaged.

23. The door bearing according to claim 11, further comprising:

a spring;

a counterpart;

a closing body moved under loading by said spring, said closing body being brought into engagement with or disengaged from said counterpart by rotation of the door, said closing body and said counterpart fixing the door in position when said closing body and said counterpart are engaged and permitting the door to be fully rotatable when said closing body and said counterpart are disengaged;

said roller bearing having a ring; and

a guide for guiding movement of said closing body fixed to said ring of said roller bearing.

24. The door bearing according to claim 23, wherein:

said supporting arm has a projecting stop for defining a position of said supporting arm on the door frame, said stop having a side directed away from the door frame; and

said counterpart is disposed on said side of said stop.

25. A method of mounting a door on a door frame, which comprises:

fastening a top and a bottom supporting arm on the door frame;

placing the door between the supporting arms; and

inserting a bottom bearing journal through a bore of the bottom supporting arm into a bore of the door.

26. The method according to claim 25, which further comprises inserting a top bearing journal through a bore of the top supporting arm into a bore of the door.

27. The method according to claim 25, which further comprises inserting a top bearing journal through a bore of the top supporting arm and subsequently fitting a bore of the door over the top bearing journal when placing the door between the supporting arms.

28. A method of mounting a door on a door frame, which comprises:



a) fastening a top and a bottom supporting arm on the door frame;

b) placing the door between the supporting arms; and

c) inserting a bottom bearing journal through a bore of the bottom supporting arm into a bore of the door.

29. The method according to claim 28, which further comprises:

d) inserting a top bearing journal through a bore of the top supporting arm into a bore of the door.

30. The method according to claim 28, which further comprises:

d) inserting a top bearing journal through a bore of the top supporting arm and then fitting a bore of the door over the top bearing journal in step b).